

Notice of Allowability

Application No.

09/082,960

Examiner

Diem K. Cao

Applicant(s)

WOLLRATH ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed on 10/13/2005, TD filed on 10/13/05.
2. ☒ The allowed claim(s) is/are 34-41, 53-61, 64-67, 70-74, 77-81, 84-88, 91-95, 98-102, 105, now renumbered 1-47.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20051220</u> . |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date <u>9/21/05, 12/5/05</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |


WILLIAM THOMSON

SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Joseph Palys on December 18-20 2005.

2. The application has been amended as follows:

Claim 34: (Currently amended) A method in a data processing system having a first program containing code and having a second program, the method comprising the steps of:

providing a first abstract computing machine to the data processing system;

providing a second abstract computing machine to the data processing system;

running the first program on the first abstract computing machine that is executed by the data processing system;

running the second program on the second abstract computing machine that is executed by the data processing system;

sending a portion of code from the first program to the second program, wherein the portion of code is based on stub code obtained from the second abstract computing machine during runtime operation; and

running the portion of the code by the second program on the second abstract computing machine.

Claim 53 (Currently amended) A data process system having a first computer system with a first program containing code and having a second computer system with a second program, comprising:

means for providing a first abstract computing machine to the first computer system;

means for providing a second abstract computing machine to the second computer system;

means for running the first program on the first abstract computing machine;

means for running the second program on the second abstract computing machine;

means for sending a portion of the code from the first program to the second program,

wherein the portion of the code is based on stub code obtained from the second abstract computing machine during runtime operations; and

means for running the portion of the code by the second program on the second abstract computing machine in a manner as the code is run on the first abstract computing machine.

Claim 54 (Currently amended) A tangible computer-readable medium containing instructions for controlling a data processing system to perform a method, the data processing system having a first program containing code and having a second program, the method comprising the steps of:

providing a first abstract computing machine to the data processing system;

providing a second abstract computing machine to the data processing system;

running the first program on the first abstract computing machine that is executed by the data processing system;

running the second program on the second abstract computing machine that is executed by the data processing system;

sending a portion of code from the first program to the second program, wherein the portion of code is based on stub code obtained from the second abstract computing machine during runtime operation; and

running the portion of the code by the second program on the second abstract computing machine.

Claim 64 (Currently amended) A method performed in a data processing system including a first computing environment and a second computing environment, the method comprising:

executing a first program including first code on the first computing environment;

sending a portion of the first code from the first computing environment to the second computing environment based on a stub class instance obtained from the second computing environment during runtime operations;

executing the portion of the first code by a second program executing on the second computing environment; and

returning results of the executed portion of the first code to the first computing environment.

Claim 68 (Cancelled)

Claim 71 (Currently amended) A method performed in a data processing system including a first computing environment and a second computing environment, the method performed by the second computing environment comprising:

receiving a portion of code included in a first program executing in the first computing environment based on a stub class instance provided to the first computing environment by the second computing environment during runtime operations;

executing the portion of the first code by a second program executing on the second computing environment; and

returning results of the executed portion of the first code to the first computing environment.

Claim 75 (Cancelled)

Claim 77 (Currently amended) The method of claim 71, wherein returning results of the executed portion of the first code to the first computing environment includes:

returning results to the first program.

Claim 78 (Currently amended) A tangible computer-readable medium containing instructions that perform a method when executed by a processor, the method performed in a data processing system including a first computing environment and a second computing environment and comprising:

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executing a first program including first code on the first computing environment;
sending at least a portion of the first code from the first computing environment to the second computing environment based on a stub class instance obtained from the second computing environment during runtime operations;
executing at least a portion of the first code by a second program executing on the second computing environment; and
returning results of the executed portion of the first code to the first computing environment.

Claim 82 (Cancelled)

Claim 85 (Currently amended) A tangible computer-readable medium including instructions for performing a method when executed by a processor, the method performed in a data processing system including a first computing environment and a second computing environment including a resource, and the method performed by the second computing environment comprising:

receiving, by the second computing environment, a portion of first code included in a first program executing in the first computing environment based on a stub class instance provided to the first computing environment by the second computing environment during runtime operations;

executing the portion of the first code by a second program executing on the second computing environment; and

returning, by the second computing environment, results of the executed portion of the first code to the first computing environment.

Claim 89 (Cancelled)

Claim 92 (Currently amended) A system for executing code in a data processing system including a first computing environment and a second computing environment, the system comprising:

means for executing a first program including first code on the first computing environment;

means for sending a portion of the first code from the first computing environment to the second computing environment based on a stub class instance obtained from the second computing environment during runtime operations;

means for executing the portion of the first code by a second program executing on the second computing environment; and

means for returning results of the executed portion of the first code to the first computing environment.

Claim 96 (Cancelled)

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Claim 99 (Currently amended) A system for executing code in a data processing system including a first computing environment and a second program executing on a second computing environment, the system comprising:

means for receiving a portion of first code included in a first program executing in the first computing environment based on a stub class instance provided to the first computing environment from the second computing environment during runtime operations;

means for executing the portion of the first code by the second program; and

means for returning results of the executed portion of the first code to the first computing environment.

Claim 103 (Cancelled)

Claim 104 (Cancelled)

Claim 105 (Currently amended) The system of claim 99, wherein the means for returning results of the executed portion of the first code to the first computing environment includes:

means for returning the results to the first program.

3. The following is an examiner's statement of reasons for allowance: the prior art of record does not teach or render obvious the limitations recited in claims 34, 53, 54, 64, 71, 78, 85, 92, and 99, when taken in the context of the claims as a whole, specific to a first computing

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environment obtaining a stub code/ a stub class instance from a second computing environment during runtime operations.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diem K. Cao whose telephone number is (571) 272-3760. The examiner can normally be reached on Monday - Friday, 5:30AM - 2:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Thomson can be reached on (571) 272-3718. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Any inquiry of a general nature or relating to the status of this application should be

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directed to the TC 2100 Group receptionist at 571-272-2100.

Diem Cao


WILLIAM THOMSON
SUPERVISORY PATENT EXAMINER